

LINEAR LIGHT USING LEDs

Abstract

A lighting fixture provides a substantially uniform line of light (bar of light) for illumination or signage. It uses a linear array of LEDs (light-emitting diodes) which are relatively efficient, long-lasting and resistant to damage from vibration. The LEDs are arranged within a reflective shell within the fixture and one or more elongated cylindrical focusing lenses are positioned at a specific distance in front of the LEDs to focus the light into a line of light. A focusing lens may also be the protective window of the reflective shell.